

Today's Topics:

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Help on SONY 2001 mods wanted
Kenwood TS140
Pacific on 20 Meters
RST's in contests
SONY 2010 MODS WANTED!!! Desparately

Date: 14 Dec 89 21:30:09 GMT

From: hpda!hpcuhb!hpscddc!rkarlqu@ucbvax.Berkeley.EDU (Rick Karlquist)

Subject: Antennas

Message-ID: <5490080@hpscddc.scd.hp.com>

> / hpscddc:rec.ham-radio / usenet@cps3xx.UUCP (Usenet file owner) / 11:51 pm Dec 13, 1989 /

> In article <12549900427007@osu-20.ircc.ohio-state.edu> BERTSCH-S@osu-20.ircc.ohio-state.edu (Steve Bertsch) writes:

> >In a few magazine articles I've seen the terms 'near field' and 'far field',
> >but I can't find any mention of these terms in any of the radio or
> >electronics texts I've tried. Can anyone define these terms?

>

> near field: the field generated by the antenna, within 1 wavelength
> of the antenna

>

> far field: the field generated by the antenna, farther than 1
> wavelength from the antenna.

>

> In the rare case that original ideas Kenneth J. Hendrickson N8DGN
> are found here, I am responsible. Owen W328, E. Lansing, MI 48825
> Internet: kjh@usc.edu UUCP: ...!uunet!usc!pollux!kjh

> -----

Sorry, the boundary between near and far field is a function of effective aperture diameter in addition to wavelength. "Reference Data for Engineers" gives the boundary as D^2 over λ , where D is the diameter of the equivalent aperture and λ is wavelength. For a half-wave dipole, $D = .41$ wavelengths. For a quarter-wave vertical (over a ground plane) $D = .82$ and N8DGN's definition is almost right. For a 6 foot C-band TVRO dish, D is about 24 wavelengths. For the 230 foot dish at Goldstone that

tracks interplanetary spacecraft at 8.2 GHz., D is 1916 wavelengths,
so the far field starts at 4 million wavelengths or 83 miles.

N6RK

Date: 15 Dec 89 16:56:23 GMT
From: asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs@handies.ucar.edu (Jim Grubs)
Subject: ARRL Letter 01-Dec-89
Message-ID: <9526.25892312@stjhmc.fidonet.org>

> In article <5743@cps3xx.UUCP> hendrick@frith.UUCP (Kenneth J.
> Hendrickson) writes:
> >Boy - both of these options sound pretty stupid!
>
> Couldn't agree more, if they would just enforce the laws we have....
>
> > stuff deleted...for bandwidth sake primarily...
> >Does the 1st ammendment come into
> >play here? Can the federal government tell me that I can say anything I
> >want, EXCEPT in some circumstances? (I'm not talking about slander
> >here, so don't criticize me with that tact.) I think the FCC might be
> >opening up a can of worms that they are not aware of; this can of worms
> >could turn out to be disastrous for amateur radio.
>
> Good question. The driving analogy comes to mind again. Its considered
> a privilege to drive, same with using your radio. The government can
> and does tell us what we can't talk about already in the form of
> outlawing broadcasting, profane language, and such. From this position
> it looks like they can. I do suspect that they might be carrying the
> whole thing to far though with the latest proposals. They don't like
> the political discussions and such, wouldn't a court just love to
> get hold of that one...

I don't really think First Amendment rights enter into it. If it was only one
ham talking directly to another, that would probably be a factor. But when they
start acting as agents or "volunteer carriers" (as opposed to "common
carriers") for third parties, it becomes a different ballgame. In that case, we
aren't talking about message content; we're talking about whether or not we are
allowed to act as agents for third parties REGARDLESS of message content. In
that context, the FCC is undoubtedly fully within its mandate from Congress
(and the ITU).

The bottom line is that we, or rather the bad apples among us, brought this on
ourselves. I've been criticized in this newsgroup for being a legalistic
vigilante, and yet the so-called "20 meter letter" issue came about because we
hams, both severally and individually, have become lax over the last few years

in policing ourselves strictly "by the book". It is becoming increasingly obvious with every passing day that the anarchism masquerading as liberal constructionism is damaging our cause.

If we don't march in step, it isn't a parade - it's just a bunch of jaywalkers.

--

Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

Date: 14 Dec 89 17:32:55 GMT
From: zaphod.mps.ohio-state.edu!samsung!cg-atla!raybed2!ewb@tut.cis.ohio-state.edu
(EUGENE BALINSKI)
Subject: DAYTON '90 !!
Message-ID: <1422@raybed2.UUCP>

DAYTON is coming up soon and will be here faster than you think (APRIL 27, 28, and 29). There was some talk about a USE-NET meeting as well as a calling frequency. This year we should try the same. I would like to nominate 223.60 (dir) as the calling channel as 2 meters is useless.

Also, There was some question as to whether a new hotel was going to be constructed on the fleamarket site. Does anyone know if this has happened ?

73
Gene WA1UXA

Date: 14 Dec 89 16:57:44 GMT
From: hpda!hpcuhb!hpscddc!rkarlqu@ucbvax.Berkeley.EDU (Rick Karlquist)
Subject: electronics parts store - info request
Message-ID: <5490079@hpscddc.scd.hp.com>

> Can anyone recommend a place in the Menlo Park, Palo Alto, Mountain
> View area that sells electronics parts? Like resistors, transistors,
> circuit board chemicals, speakers, and the like? I do know of Fry's
> Electronics. Anywhere else? I want to build a HF SSB transceiver.
> All leads appreciated. Thanks,
> >goh<
> -----

HDB Electronics in Redwood City. Used to be on Spring St.

Date: 15 Dec 89 16:56:34 GMT
From: mailrus!cs.utexas.edu!asuvax!stjhmc!f1.n234.z1.fidonet.org!
Jim.Grubs@ames.arc.nasa.gov (Jim Grubs)
Subject: FINDLEY SPEAKS OUT ON ARF
Message-ID: <9527.25892316@stjhmc.fidonet.org>

> From: arf@jolnet.ORK.IL.US (Jack Schmidling)

> FINDLEY SPEAKS OUT ON ARF
>
>
> Paul Findley, author of "They Dare to Speak Out" will be the
> guest on the Amateur Radio Forum this Thursday night. This
> is a profoundly disturbing book about the influence of an
> alien government on the Congress of the United States.

Here we go again - committing hari kiri! This is broadcasting, not an
informational bulletin pertaining to amateur radio. No wonder the FCC gets so
disgusted with our lack of judgment and self-discipline.

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

Date: 14 Dec 89 19:27:35 GMT
From: hpda!hpcuhb!hp-ses!hpdml93!jmcvey@ucbvax.Berkeley.EDU (John McVey)
Subject: Help on SONY 2001 mods wanted
Message-ID: <530009@hpdml93.HP.COM>

I saw a base note on mods to the SONY 2010. Are there mods I can
make to the original SONY 2001 ?

Thanks in advance,

John McVey
jmcvey%hpbslq@hplabs.hp.com
or
hplabs!hpbslq!jmcvey

Date: 14 Dec 89 16:44:04 GMT

From: hpda!hpcuhb!hpindda!genem@ucbvax.Berkeley.EDU (Gene Marshall)
Subject: Kenwood TS140
Message-ID: <5120004@hpindda.HP.COM>

Hi,

I became a Ham in April of 88, and jumping into this with both feet (VHF, UHF, HF, packet, etc...) was putting quite a dent in my checkbook. This is one of the reasons I settled on the 140. Out of all the purchases during that time, the 140 was by far the best. It's really nice when you buy a product and you wind up with more features than you expected.

One of the nicest features that I leveraged off of (while getting over "mic-fright") was the 10 memories reserved for "band-spreads". In these memories you program in two frequencies: a low end and a high end. While operating in these tunable memories, if you "roll off" the top end, it loops you back to the low end. As long as you're in this memory, your legal. So far, I haven't found this feature on any other rig (though it is not something I've researched).

I work mostly CW and have no problem getting out a good 100 watts. I have worked several other 140 owners and have not heard any bad comments about the rig. In addition to CW, I also have it connected to a PK-232 and do RTTY and PACKET. I'm having a little RF feedback causing me some PACKET problems, but I have to do a lot of work on the wiring and 232 before I can blame the 140.

The only changes that would be appreciated would be if the squelch and power controls were reversed (the power is a very sensitive slide switch and would be better as the rotary POT) and if an SWR meter was included. But, in that price range you can't expect everything.

Good luck with your decision es 73
Gene Marshall - AA6IY
Cupertino, CA
(15M CW)

Date: 15 Dec 89 14:30:30 GMT
From: victim.dec.com!reisert@decwrl.dec.com (Jim -- LTN1-2/H03 -- DTN 226-6905 15-Dec-1989 0932)
Subject: Pacific on 20 Meters
Message-ID: <8912151430.AA14796@decwrl.dec.com>

Last night I heard ZK1DD on 20 SSB around 0410Z, and worked KN0E/KH3 on 20 CW about 0450Z. There was almost no propagation northeast (into Europe,

jim, AD1C

James J. Reisert Internet: reisert@tallis.enet.dec.com
Digital Equipment Corp. UUCP: ...decwrl!tallis.enet!reisert
295 Foster Street
P.O. Box 1123
Littleton, MA 01460

David Norton, AB90

Date: 13 Dec 89 18:30:26 GMT
From: zephyr.ens.tek.com!tektronix!sequent!mntgfx!mbutts@uunet.uu.net (Mike Butts)
Subject: SONY 2010 MODS WANTED!!! Desparately

Message-ID: <1989Dec13.183026.1294@mentor.com>

>From article <22264@ut-emx.UUCP>, by raj@ut-emx.UUCP (Raj Menon):
> Hi netters,
> I have just got a new Sony 2010, and I am very interested in getting
> the mods for it. If anyone has a summary, I'd appreciate if he/she could
> Email it to me.
> Thanks a lot in advance.
>
> 73s de W5/VU2RPM
> --Raj Menon
Me too, if there are any.

--
Michael Butts, Research Engineer KC7IT 503-626-1302
Mentor Graphics Corp., 8500 SW Creekside Place, Beaverton, OR 97005
!{sequent,tessi,apollo}!mntgfx!mbutts mbutts@pdx.MENTOR.COM
Opinions are my own, not necessarily those of Mentor Graphics Corp.

End of INFO-HAMS Digest V89 Issue #1022
